

Proposed Nevada Mercury Air Emissions Control Program

MERCURY MONITORING, TESTING & RECORD KEEPING

EXAMPLE LOG SHEETS

The following log sheets are examples of what they may look like for each type of mercury control. Each operator would be responsible for developing his or her own log sheet based on site specifics.

Proposed Nevada Mercury Air Emissions Control Program Monitoring, Record Keeping and Reporting Monthly Log

Each operator would be responsible for developing *its* own log sheet based on site specifics.

Mercury Retorts
MM/YYYY

WORKING DRAFT

<u>Date</u>	<u>Hours Run</u>	<u>Peak Temp</u>	<u>Condenser Water Temp</u>	<u>▲ P</u>	<u>Carbon Y/N</u>	<u>Change Pounds</u>
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Carbon Change Out Plan

Hypothetical Example

EXAMPLE FOR CARBON FILTER AT RETORTS:

Monthly Mercury Production:	500 pounds
Condenser Removal Efficiency	99%
Monthly Mercury Reporting to Carbon Filter	5.05 pounds
Carbon Filter Material Weight	100 pounds
Carbon Filter Capacity for Mercury	10% or 10 pounds
Carbon Change out Frequency	$10/5.05=1.98$ months or every 59 days
Conservative Carbon Change Out Frequency	Every 7 weeks (49 days)
Carbon would be analyzed after change out to verify it did not exceed 10 pounds of mercury	

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Carbon Kiln
MM/YYYY

WORKING DRAFT

<u>Date</u>	<u>Hours Run</u>	<u>Avg Temp</u>	<u>Tons Regenerated</u>	<u>Scrubber Water Temp</u>	<u>▲P</u>	<u>Carbon Y/N</u>	<u>Change Pounds</u>	<u>Hypochlorite Concentration</u>
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Notes: _____

Proposed Nevada Mercury Air Emissions Control Program

Monitoring, Record Keeping and Reporting

Monthly Log

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Roaster

WORKING DRAFT

MM/YYYY

<u>Date</u>	<u>Hours Run</u>	<u>ESP Voltage</u>	<u>Scrubber Temp</u>	<u>Mercurous Chloride Concentration</u>	<u>▲ P</u>	<u>Hypochlorite Concentration</u>
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Notes: _____

**Proposed Nevada Mercury Air Emissions Control Program
Monitoring, Record Keeping and Reporting
Monthly Log**

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Roaster Pre-heaters**WORKING DRAFT**MM/YYYY

<u>Date</u>	<u>Hours Run</u>	<u>Scrubber Temp</u>	<u>▲P</u>	<u>pH</u>
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**Proposed Nevada Mercury Air Emissions Control Program
Monitoring, Record Keeping and Reporting
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Autoclaves
MM/YYYY

WORKING DRAFT

<u>Date</u>	<u>Hours Run</u>	<u>Scrubber Flowrate</u>	<u>▲P</u>
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**Proposed Nevada Mercury Air Emissions Control Program
Monitoring, Record Keeping and Reporting
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Electrowinning Preg and Barren Tanks
MM/YYYY

WORKING DRAFT

<u>Date</u>	<u>Hours Run</u>	<u>Carbon Y/N</u>	<u>Change Pounds</u>
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Proposed Nevada Mercury Air Emissions Control Program

Monitoring, Record Keeping and Reporting

Monthly Log

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Furnaces

WORKING DRAFT

MM/YYYY

<u>Date</u>	<u>Hours</u> <u>Run</u>	<u>Scrubber</u> <u>Water</u> <u>Temp</u>	<u>▲ P</u>	<u>Carbon</u> <u>Y/N</u>	<u>Change</u> <u>Pounds</u>	<u>Change</u> <u>Pounds</u>	<u>Baghouse</u> <u>▲ P</u>		
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Chemical Treatment
MM/YYYY

WORKING DRAFT

<u>Date</u>	<u>Heap</u> <u>Pounds</u> <u>Added</u>	<u>Leach</u> <u>Mercury</u> <u>Conc</u>	<u>Mill</u> <u>Pounds</u> <u>Added</u>	<u>Circuit</u> <u>Mercury</u> <u>Conc</u>	<u>CIL</u> <u>Pounds</u> <u>Added</u>	<u>Circuit</u> <u>Mercury</u> <u>Conc</u>	<u>Other</u> <u>Pounds</u> <u>Added</u>	<u>Mercury</u> <u>Conc</u>	
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